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000231 00-11
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Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS
 TRADE NAME: 3M Brand Structural Adhesive PN 8101 (Part B)
 3M I.D. NUMBER: 62-3535-0000-0
 ISSUED: NOVEMBER 22, 1985
 SUPERSEDES: NOVEMBER 7, 1985
 DOCUMENT: 10-3181-4

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
polyester resin	N/A		N/D 5
polyol	N/A		N/D 5
triol	N/A		N/D 5
TOTAL OF THE ABOVE	N/A	68.0	N/D 5
talc	N/A		N/D 5
calcium alumino silicate	N/A		N/D 5
titanium dioxide	N/A		N/D 5
TOTAL OF THE ABOVE	N/A	28.0	N/D 5
organo tin compound (dialkyl tin salt)	N/A	1.0	1.0mg/m3 Skin 1
ethyl trimethoxy silane	3388-04-3	1.0	N/D 5
substituted aromatic amine	N/A	1.0	N/D 5

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

- N/D - Not Determined
- N/A - Not Applicable

2. PHYSICAL DATA

BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY (Air=1):	N/A
EVAPORATION RATE (Ether=1):	N/A
APPEARANCE AND ODOR:	White viscous liquid
SOLUBILITY IN WATER:	Very slight
SP. GRAVITY (Water=1):	1.31
PERCENT VOLATILE:	0
VISCOSITY:	5,000-40,000 cps
pH:	N/A

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH-POINT (Closed Cup): N/A
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:

CO₂, foam, dry chemical, water

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂, nitrogen oxides and smoke particles when subjected to excessive heat or flame.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

Observe precautions in all sections. Pour absorbing material over spill and collect into applicable container. Clean up residue.

RECOMMENDED DISPOSAL:

Incinerate uncured waste. Otherwise, mix with Part A, cure and dispose in sanitary landfill or incinerate. Disposal should be in accordance with applicable local regulations.

ENVIRONMENTAL DATA:

N/D

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes and call a physician.

SKIN CONTACT:

Wash thoroughly with soap and water.

INHALATION:

Provide fresh air.

IF SWALLOWED:

Drink two glasses of milk or water and call a physician.

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7. PRECAUTIONARY INFORMATION

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Use only in areas adequately ventilated to remove vapors. Avoid eye contact. Avoid prolonged skin contact. Keep out of reach of children.

NOTE: Utilize personal protection equipment when handling this product, i.e. impervious gloves and chemical goggles or safety glasses, whichever is most appropriate in the work situation.

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8. HEALTH HAZARD DATA

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EYE CONTACT: Animal studies indicate the potential for eye irritation.

SKIN CONTACT: Animal studies indicate the product should not irritate the skin.

INHALATION: Volatility is so low there should be no inhalation problem.

-INGESTION: Animal studies indicate low toxicity (LD50 >5 gm/Kg).

OTHER: Ethyl trimethoxy silane, (present at a level below 0.5%) has been shown to be weakly tumorigenic in mice by chronic recurrent application to the skin. The relevance of these findings to man is unknown.

NOTE: Product contains about 20% talc which some sources believe includes an asbestiform structure. The talc producer does not agree and presents the talc as being non-asbestiform.

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.